OMB No. 0651-0011

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

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Atty. Docket No.	04329.2163	Serial No.	Not Yet Assigned
Applicants	Fumihiko SANO et al.		
Filing Date	September 1, 1999	Group	

U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
RB		3,962,539	06/08/76	EHRSAM et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RB	American National Standard, "X9.52 - 1998, Triple Data Encryption Algorithm Modes Of Operation," American Bankers Association, Pages 1-89, (1998).

Examiner	Ronald Barry	Date Considered	7/24/03

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Atty. Docket No.	04329.2163	Serial No.	09/388,388
Applicant	Fumihiko SANO et al.		
Filing Date	September 1, 1999	Group	2766

OIPE JC82 APR 20 2000 PATENT & TRADEMARK OFFICE

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation Yes or No
	JP 10 116029 A (Abstract)	5/6/98	Japan			

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PB	E. Biham et al.: "How to strengthen DES using existing hardware"; Advances in Cryptology - ASIACRYPT'94. 4th International Conference on the theory and applications of cryptology. Proceedings, Advances in Cryptology - ASIACRYPT'94. 4th International Conference on the theory and applications of cryptology, Wollongo, pp.398-412, XP000527605 1995, Berlin, Germany, Springer-Verlag.
PB	M.H. Dawson et al.: "An expanded set of design criteria for substitution boxes and their use in strengthening DES-like cryptosystems"; IEEE Pacific Rim Conference on Communications, Computers and Signal Processing (Cat. No. 91CH2954-6), Victoria, BC, Canada, 9-10 May 1991, pp. 191-195 vol.1 XP000280289 1991.

Examiner	Ronald Barnie	Date Considered	7/24/03

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U.S. PATENT DOCUMENTS

Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

P.B	Bruce Schneier, *Applied Cryptography, Second Edition* 1996, John Wiley & Sons, Inc.

Examiner	Ronald Baum	Date Considered	7/25/03

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.